

MERITOR LIGHT VEHICLE SYSTEMS-FRANCE

ABSTRACT

Motorized reduction gear intended for functional equipment of vehicles, provided with a magnetic ring for measuring the rotation rate of its rotor shaft

Motorized reduction gear intended for functional equipment of a vehicle, comprising a rotor provided with a rotor shaft bearing a commutator (9), and a reduction gearbox containing a gearwheel engaged with a worm belonging to the shaft, and also a magnetic ring (17) mounted on the shaft in order that the number of shaft rotations can be counted, characterized in that the magnetic ring (17) is attached to the commutator (9). The ring (17) can be attached in various ways, for example by overmoulding on the body (18), the ring (17) lying over virtually the entire length of the body and the hooks (11) for retaining the electrical connections of the rotor being attached to the magnetic ring. The attachment of the ring directly on the commutator, of which it forms an integral part, makes it possible to ensure reliable and lasting retention of the ring.

Figure 2